CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER 90-131

AN ORDER AMENDING ORDERS NO. 87-024 AND 88-034
NPDES PERMIT NO. CA 0029165
DISCHARGE OF TREATED GROUNDWATER FROM SITE CLEANUP FOR:

GREAT WESTERN CHEMICAL COMPANY
945 AMES AVENUE
MILPITAS, SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board), finds that:

1. On April 15, 1987, the Regional Board adopted Order No. 87-024 prescribing waste discharge requirements for Great Western Chemical Company (hereinafter called the discharger). The Order permits the discharge to surface waters from a groundwater treatment system which is located onsite and treats water extracted from the near site wells. Order 88-034 adopted on March 16, 1988 amends Order 87-024 by adding an offsite groundwater treatment system to treat water extracted from offsite wells.

2. This amendment reduces the sampling frequency for both the on and offsite systems for Ketones, Alcohols and Glycols, which are currently below detectable limits, from twice per year to once per year. The amendment also raises the effluent limit concentrations for these pollutants to the minimum detectable concentration by acceptable analytical procedures of 5000 ppb from 5 ppb.

3. The Regional Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on December 17, 1986. The Basin Plan contains water quality objectives for Coyote Creek, South San Francisco Bay and contiguous surface and groundwater.

4. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.

5. The Board has notified the discharger and all interested agencies and persons of its intent to issue amended waste discharge requirements for the discharge and has provided them with the opportunity for a public hearing and the opportunity to submit written comments.

6. The Board in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that this Board's Orders No. 87-024 and 88-034 are amended to read as follows:

A. Table 1

Table 1 shall be replaced with Table 1A (attached) and will include sampling frequency changes for Alcohols, Ketones and glycols from twice per year with samplings in March and September to once per year with sampling in June commencing in 1991.

B. Effluent Limitations

1. The effluent at the point of discharge to the storm drain shall not contain constituents in excess of the following limits.

Constituent	Instantaneous Maximum (ug/l)
1,1,1 trichloroethane	5
trichloroethylene	5
1,1 dichloroethane	5
1,2 dichloroethane	5
1,1 dichloroethylene	5
1,2 dichloroethylene	5
Tetrachloroethylene	5
Methylene Chloride	5
Vinyl Chloride	5
Chloroform	5
Benzene	5
Xylenes	5
Toluenes	5
Ethyl Benzenes	5
Acetone	50
Methyl Ethyl Ketone	5000(*)
Methyl Isobutyl Ketone	5000(*)
Methanol	5000(*)
Ethanol	5000(*)
Propanol (**)	5000(*)
Butanol (**)	5000(*)
Pentanol (**)	5000(*)
Ethylene Glycol	5000(*)
Propylene Glycol	5000(*)
Chlorine (free chlorines plus chloromines)	0 (mg/l)

(*) Effluent limits have been increased from 50 ug/l to 5000 ug/l to reflect detection limits achievable.

(**) Instantaneous maximum shall be increased from 50 ug/l to 5000 ug/l for any one isomer or related compounds.

I, Steven R. Ritchie, Executive Officer do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on September 19, 1990.

Steven R. Ritchie
Executive Officer

TABLE 1 A

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

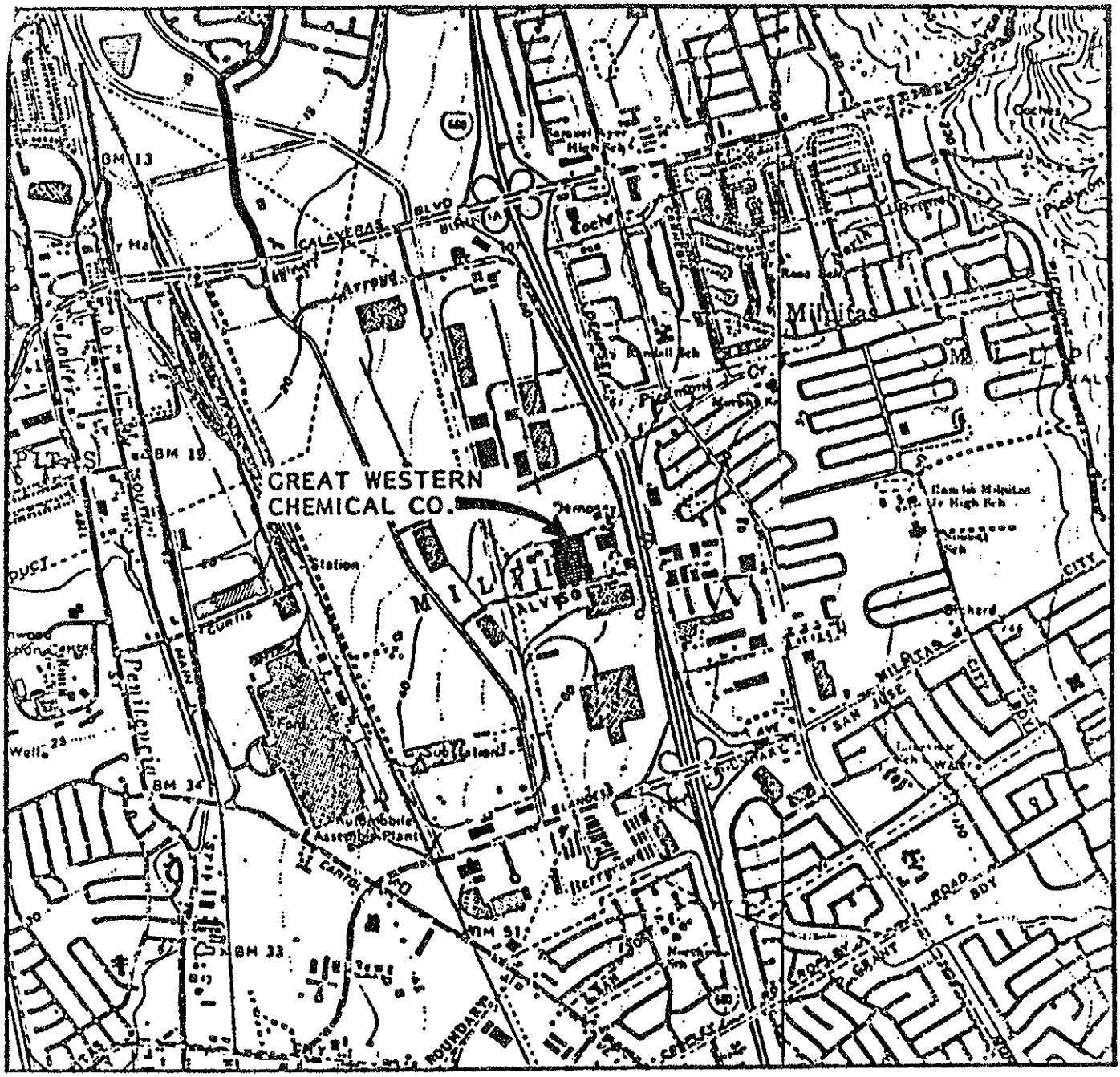
Sampling Station	I-1	E-1	C-1	I-2	E-2	C-2
Type of Sample	G	G	G	G	G	G
Flow Rate (Gal/Day)	D	D		D	D	
pH (units)		M	Q		M	Q
Dissolved Oxygen (mg/l & % Saturation)		M	Q		M	Q
Temperature(°C)		M			M	
Fish Tox'y 96-hr Surv'l in undiluted waste		Y			Y	
Volatile Chlorinated Hydrocarbons (ug/l) (1)	M	M	Q	M	M	Q
Aromatics (ug/l) (2)	Y	Y	Y	Y	Y	Y
Alcohols, Ketones, & Glycols (ug/l) (3)	Y	Y	Y	Y	Y	Y
Un-ionized Ammonia (as N) (ug/l)		Q	Q		Q	Q
Chlorine (Free Chlorine & Chloramines) (mg/l)		*			*	

LEGEND FOR TABLE

G = grab sample
D = once each day
W = once each week
* = during chlorination

M = once each month
Q = quarterly, once in March, June, September & December
Y = once yearly, in June
2/M = twice a month

1. Defined as 1,1,1-trichloroethane, trichloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethylene, 1,2-dichloroethylene, tetrachloroethylene, methylene chloride, vinyl chloride, and chloroform.
2. Defined as benzene, toluene, xylenes, and ethyl benzene (all isomers).
3. Defined as methyl ethyl ketone, methyl isobutyl ketone, pentanol, ethylene glycol, propylene glycol, including all associated alcohol isomers and related compounds with attached alkyl groups.



Source: U.S. Geological Survey

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

GN MN

0°43' EAST 16½° 293 MILS

13 MILS

UTM GRID AND 1980 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Figure 1: SITE LOCATION